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DERWENT-WEEK: 200030
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TITLE: Wind power system has transducer mounted in rotor
blade and/or rotor
blades are individually adjustable depending on measurement
parameter
representing component acceleration or deformation

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
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INT-CL_(IPC): F03D007/02
ABSTRACTED-PUB-NO: EP 995904A

BASIC-ABSTRACT:

NOVELTY - The system has a rotor with at least two blades (B)
with adjustable
angles of attack and a transducer (KB,KR,KT) which provides
a measurement
parameter giving a measure of the current load on an element
of the system's
structure. The blade angle is adjusted depending on the
measurement parameter,
which represents an acceleration or deformation of the

structural element and
gives a measure of a force or torque. The transducer is
mounted in a rotor
blade and/or the rotor blades are individually adjustable.

USE - Wind power system.

ADVANTAGE - A system for reducing the load fluctuations
occurring during
operation is developed which is sensitive on the one hand and
selective for
local gusts of wind on the other hand..

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic
perspective exploded
representation of a wind power system with transducers on
different assemblies

rotor blades B

torque sensors KB, KR, KT

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CHOSEN-DRAWING: Dwg.1/5

DERWENT-CLASS: Q55 X15

EPI-CODES: X15-B;